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 NEWS  1            Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2            "Ask CAS" for self-help around the clock
 NEWS  3  JAN 27    Source of Registration (SR) information in REGISTRY updated
                    and searchable
 NEWS  4  JAN 27    A new search aid, the Company Name Thesaurus, available in
                    CA/CAplus
 NEWS  5  FEB 05    German (DE) application and patent publication number format
                    changes
 NEWS  6  MAR 03    MEDLINE and LMEDLINE reloaded
 NEWS  7  MAR 03    MEDLINE file segment of TOXCENTER reloaded
 NEWS  8  MAR 03    FRANCEPAT now available on STN
 NEWS  9  MAR 29    Pharmaceutical Substances (PS) now available on STN
 NEWS 10  MAR 29    WPIFV now available on STN
 NEWS 11  MAR 29    No connect hour charges in WPIFV until May 1, 2004
 NEWS 12  MAR 29    New monthly current-awareness alert (SDI) frequency in RAPRA

 NEWS EXPRESS  MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT
               MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
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=> s polyalkylene glycol ether
L1          1059 POLYALKYLENE GLYCOL ETHER

=> s peroxygen bleach
L2           578 PEROXYGEN BLEACH

=> s l1 and l2
L3             0 L1 AND L2
```

h ebc gcg b cg eb

```
=> s peroxygen (p) bleach
L4          842 PEROXYGEN (P) BLEACH

=> s l1 and l4
L5            0 L1 AND L4

=> s percarbonate or persilicate hydrogen peroxide or persulfate or perborate or peroxyacid o
L6        26365 PERCARBONATE OR PERSILICATE HYDROGEN PEROXIDE OR PERSULFATE OR
                PERBORATE OR PEROXYACID OR DIALKYLPEROXIDE

=> s l6 and l1
L7            4 L6 AND L1

=> d l7 1-4 all

L7   ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2004 ACS on STN
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Full Text | Citing References

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AN   1954:75145  CAPLUS
DN   48:75145
OREF 48:13274d-g
ED   Entered STN:  22 Apr 2001
TI   Polymers from unsaturated compounds
IN   Brown, Frank; Mitchell, Charles D.
PA   Dunlop Rubber Co. Ltd.
DT   Patent
LA   Unavailable
CC   31 (Synthetic Resins and Plastics)
FAN.CNT 1
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ---------------   ----  --------       ---------------  --------
PI   GB 709710                 19540602       GB
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AB Low-boiling olefinic monomers, e.g. vinyl acetate (I), acrylonitrile, or Me acrylate, are emulsion polymerized at low concns. to give polymer dispersions of very small particle size. Such dispersions are optically clear at 10% polymer concns. and gel at 15%. The low concn. of monomer is obtained by keeping the b.p. of the polymerization medium above that of the monomer and by recirculating the recovered monomer. The aq. polymerization medium contains a dispersing agent (a **polyalkylene glycol ether** or sulfonated alc.), a stabilizing agent (methylcellulose or polyvinyl alc.), and a peroxide or **persulfate** catalyst, with or without a reducing agent. Thus, I 30 was slowly added to a mixt. of NH4 **persulfate** 1.5, NaHCO3 2, gum acacia 15, H2O 275.5, and a nonionic emulsifier (prepd. by interaction of polyethylene glycol and 9-octadecenyl alc.) 6 parts at 100°. I which boiled off was condensed and returned to the reaction mass. The reaction was continued for about 20 hrs., the steady-state rate of addn. of I being approx. 0.75 parts/min. A dispersion of high viscosity in which most of the particles were invisible at 1250 magnification was obtained. The polymer gave films of high water resistance, gloss, and transparency.

IT Films
(from ethylenically unsatd. compd. polymers)

IT Emulsifying agents
(in polymerization, of unsatd. compds., from 9-octadecenol and polyethylene glycol)

IT Polymerization
(of unsatd. compds.)

IT Unsaturated compounds
(polymers)

IT 96-33-3, Acrylic acid, methyl ester
(polymers of)

IT 79-10-7, Acrylic acid
(polymers of (including acrylic acid derivatives), abrasion-resistant)

h eb c g cg b cg eb

IT 107-13-1, Acrylonitrile
(polymers of, for films)
IT 9003-20-7, Vinyl acetate, homopolymer
(prepn. of)
IT 25322-68-3, Polyethylene glycol
(reaction products with oleyl alc., as emulsifying agent in polymerization of unsatd. compds.)
IT 143-28-2, 9-Octadecen-1-ol, cis-
(reaction products with polyethylene glycol, as emulsifying agent in polymerization of unsatd. compds.)

L7 ANSWER 2 OF 4 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN

Full Text

AN 1984-074872 [12] WPIDS
DNN N1984-056292 DNC C1984-032298
TI Aqueous size for glass fibres - is emulsion of organic peroxide containing vinyl silane and lubricant.
DC A87 E17 F06 L01 P73
IN TAMOSAUSKA, A E
PA (PITT) PPG IND INC
CYC 1
PI US 4435473 A 19840306 (198412)* 8p
ADT US 4435473 A US 1982-402501 19820728
PRAI US 1980-136645 19800402; US 1982-402501 19820728
IC B32B009-00; C08K003-40
AB US 4435473 A UPAB: 19930925
An aqs. size for glass fibres comprises an aqs. emulsion of 0.6-10 wt.% of a liquid water-insoluble organic peroxide of particle size 1.5 microns or less. The peroxide is a hydroperoxide, alpha-oxy or alpha-peroxy hydroperoxide, dialkyl peroxide, aldehyde or ketone peroxide, diacyl peroxide, peroxyester, **peroxyacid**, peroxydi- or mono-carbonate or perketal. The size also contains 0.2-10 wt.% of a vinyl-containing organic silane and 0.001-1 wt.% lubricant. The total solids content of the size is 1-25 wt.%.

The size is formed from an aqs. emulsion containing 1-60 wt.% of the peroxide and 1-15 wt.% of a blend of three nonionic emulsifiers having hydrophilic-lipophilic balance (HLB) values of 6-12, 9-15 and 12-20. The overall HLB of the emulsifier system is 9-20. All the emulsifiers are selected from **polyalkylene glycol ethers**, dialkylaryl polyether alcohols, polyoxypropylene polyoxyethylene condensates, phenoxy polyetheroxyethanols, polyethylene derivatives of fatty acids, sorbitol anhydride partial esters, ethoxylated alcohols, fatty acids, fatty esters, oils, alkyl phenols, glycerol esters, sucrose esters, monoglycerides, sorbitan derivatives, polyethoxy phenols, alkyl polyester alcohols and ethylene oxide alkylated phenol condensates.

The emulsion is stable to storage, shear, processing and dilution. The sized glass fibres are used for reinforcing polymers, e.g. polypropylene.

0/0
FS CPI GMPI
FA AB
MC CPI: A08-M01; A12-S08B; E10-A04; F01-H06; F03-D; L01-F03A

L7 ANSWER 3 OF 4 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN

Full Text

AN 1981-19356D [12] WPIDS
TI Organic peroxide aq. emulsion - for treating glass fibres for use in reinforced plastics.
DC A82 E19 F06 G02 P73
PA (PITT) PPG IND INC
CYC 10
PI BE 885002 A 19810302 (198112)*

h eb c g cg b cg eb

	DE 3031886	A	19811008 (198142)
	GB 2073046	A	19811014 (198142)
	FR 2479801	A	19811009 (198146)
	NL 8004056	A	19811102 (198148)
	JP 56140048	A	19811102 (198150)
	DE 3050632	A	19820916 (198238)
	DE 3031886	C	19830623 (198326)
	US 4391876	A	19830705 (198329)
	CA 1160208	A	19840110 (198407)
	US 4439558	A	19840327 (198415)
	GB 2073046	B	19840426 (198417)
	CH 646689	A	19841214 (198503)
	DE 3050632	C	19850905 (198537)
	JP 63023145	B	19880514 (198823)
	IT 1194678	B	19880922 (199107)

ADT DE 3031886 A DE 1980-3050632 19800823; GB 2073046 A GB 1980-30487 19800922; JP 56140048 A JP 1980-107063 19800804; US 4391876 A US 1982-349124 19820216

PRAI US 1980-136645 19800402; US 1982-349124 19820216; US 1982-402501 19820728

IC B01F017-00; B32B009-00; B32B017-10; C03C025-02; C07C178-00; C07C179-00; C08J005-08; C08K003-40; C08K007-14; C08K009-04; C08L023-00; C08L091-06; C09K003-00; D06M007-00; D06M013-10

AB BE 885002 A UPAB: 19930915

Aq. emulsion of an organic peroxide which is liq. at 20 deg.C and insoluble or sparingly soluble in water contains particles of average size not greater than 1.5 mu and has improved stability and dilatability. It contains (a) 1-70 wt.% of organic peroxide, (b) 1-15 wt.% of a mixt. of three non-ionic emulsifiers, and (c) water.

(a) is chosen from hydroperoxides, alpha-oxy and alpha-peroxy hydroperoxides, dialkyl peroxides, aldehyde- and ketone-peroxides, diacyl peroxides, peroxyesters, **peroxyacids**, peroxy dicarbonates, peroxycarbonates and perketals. (b) is chosen from polyethoxyphenols; alkylpolyether alcohols; condensation prods. of ethylene oxide and alkylated phenols; **polyalkylene glycol ethers**; alkylaryl polyether alcohols; polyoxypropylene-polyoxyethylene condensation prods.; phenoxypolyethoxyethanols; polyethylenic derivs. of fatty acids; partial esters of sorbitol anhydrides; ethoxylated alkylphenols; ethoxylated alcohols; fatty acids, oils and ethoxylated aliphatic esters; glycerol esters; glycol esters; monoglycerides and their derivs.; sorbitan derivs.; and saccharose esters and derivs. and their mixts.

The amts. of emulsifiers are chosen to give an overall HLB for the system of 9-20. The prods. are useful for treating glass fibres used in reinforcing polymers, e.g. polyolefins and unsatd. polyesters.

FS CPI GMPI

FA AB

MC CPI: A04-G01B; A05-D02B; A05-H01; A08-C05; A08-M01; A12-S08B; E10-A04; F01-H06; F03-D; G02-A05

L7 ANSWER 4 OF 4 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN

Full Text

AN 1981-07799D [06] WPIDS

TI Aq. emulsion for coating glass fibres - comprises solid organic water-insoluble peroxide, hydrocarbon solvent and mixt. of nonionic emulsifiers.

DC A60 A87 E14 E17 F06 L01

PA (PITT) PPG IND INC

CYC 9

PI	BE 884389	A	19810119 (198106)*
	DE 3031899	A	19811008 (198142)
	GB 2073047	A	19811014 (198142)
	FR 2479800	A	19811009 (198146)
	NL 8004055	A	19811102 (198148)

h eb c g cg b cg eb

	JP 56140047	A	19811102 (198150)
	DE 3050633	A	19820916 (198238)
	GB 2073047	B	19840426 (198417)
	CA 1176773	A	19841023 (198447)
	CH 646688	A	19841214 (198503)
	DE 3031899	C	19850718 (198530)
	DE 3050633	C	19850905 (198537)
	IT 1132398	B	19860702 (198750)
	JP 03051664	B	19910807 (199135)

ADT DE 3031899 A DE 1980-3031899 19800823; GB 2073047 A GB 1980-30488 19800922; DE 3050633 A DE 1980-3050633 19800823; JP 03051664 B JP 1980-107062 19800804

PRAI US 1980-136644 19800402; US 1982-364713 19820402

IC B01F017-00; C03C025-02; C07C178-00; C07C179-00; C08J005-08; C08K005-14; C08K009-04; C08L023-10; C09D003-74; C09K003-00; D06M007-00

AB BE 884389 A UPAB: 19930915

An aq. emulsion comprises (a) 1-70 (wt.)% of a solid organic peroxide which is water insoluble or has limited solubility in water, (b) 1-70% of a hydrocarbon solvent of butanolbauri index (BKI) 10-60 when the peroxide is aliphatic or 40-100 when the peroxide is aromatic, (c) 1-15% of an emulsifier system comprising 3 non-ionic emulsifiers of HLB values 12-20, 6-12 and 9-15 resp. and (d) at least 45% water.

The peroxide is specifically a hydroperoxide, an alpha-oxy or alpha-peroxy hydroperoxide, a dialkyl peroxide, an aldehyde or ketone peroxide, a diacyl peroxide, a peroxy ester a peroxy acid, a peroxydicarbonate, a monoperoxycarbonate or a peracetal.

The emulsifiers comprise **polyalkylene glycol ethers**, alkylaryl polyether alcohols, polyoxypropylene-polyoxyethylene condensn., prods., phenoxypolyethoxyethanols, ethoxylated alcohols, oils aliphatic esters, ethoxylated fatty acids, glycol esters, monoglycerides and their derivs., sorbitan derivs. and saccharose derivs. Amts. of emulsifiers are such that the system has an HLB value of 9-20.

FS CPI

FA AB

MC CPI: A08-M01; A08-R04; A12-B05; E06-A02; E07-A02; E07-A04; E10-A04; E10-E04G; E10-E04K; E10-E04M; F01-H06; F03-D; L01-F03A

=>

h eb c g cg b cg eb